

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A purified polypeptide encoded by a nucleic acid molecule at least 85% identical to a molecule selected from the group consisting of:
  - (a) SEQ ID NO:1;
  - (b) ~~the fully complementary sequence of SEQ ID NO:1;~~
  - [[ (c) ]] SEQ ID NO:2; and
  - (d) ~~the fully complementary sequence of SEQ ID NO:2;~~
  - [[ (e) ]] (c) SEQ ID NO:3; ~~and~~
  - (f) ~~the fully complementary sequence of SEQ ID NO:3.~~
2. (Withdrawn) The polypeptide of claim 1 that is encoded by SEQ ID NO:1.
3. (Withdrawn) The polypeptide of claim 1 that is encoded by the fully complementary sequence of SEQ ID NO:1.
4. (Withdrawn) The polypeptide of claim 1 that is encoded by SEQ ID NO:2.
5. (Withdrawn) The polypeptide of claim 1 that is encoded by the fully complementary sequence of SEQ ID NO:2.
6. (Original) The polypeptide of claim 1 that is encoded by SEQ ID NO:3.

7. (Canceled)
8. (Currently amended) A purified polypeptide encoded by a nucleic acid molecule selected from the group consisting of:
- (a) nucleotides 2-1999 of SEQ ID NO:1 (env);
  - (b) nucleotides 2452-4839 of SEQ ID NO:1 (gag);
  - (c) nucleotides 4871-8060 of SEQ ID NO:1 (pol);
  - (d) nucleotides 598-2169 of SEQ ID NO:2 (gag);
  - (e) nucleotides 2320-4737 of SEQ ID NO:2 (pol);
  - (f) nucleotides 4738-6722 of SEQ ID NO:2 (env);
  - (g) nucleotides 585-2156 of SEQ ID NO:3 (gag);
  - (h) nucleotides 2307-5741 of SEQ ID NO:3 (pol); and
  - (i) nucleotides 5620-7533 of SEQ ID NO:3 (env).
9. (Withdrawn) The polypeptide of claim 8 that is encoded by nucleotides 2-1999 of SEQ ID NO:1.
10. (Withdrawn) The polypeptide of claim 8 that is encoded by nucleotides 2452-4839 of SEQ ID NO:1.
11. (Withdrawn) The polypeptide of claim 8 that is encoded by nucleotides 4871-8060 of SEQ ID NO:1.
12. (Withdrawn) The polypeptide of claim 8 that is encoded by nucleotides 598-2169 of SEQ ID NO:2.
13. (Withdrawn) The polypeptide of claim 8 that is encoded by nucleotides 2320-4737 of SEQ ID NO:2.

14. (Withdrawn) The polypeptide of claim 8 that is encoded by nucleotides 4738-6722 of SEQ ID NO:2.
15. (Original) The polypeptide of claim 8 that is encoded by nucleotides 585-2156 of SEQ ID NO:3.
16. (Original) The polypeptide of claim 8 that is encoded by nucleotides 2307-5741 of SEQ ID NO:3.
17. (Original) The polypeptide of claim 8 that is encoded by nucleotides 5620-7533 of SEQ ID NO:3.
18. (Currently amended) A purified polypeptide encoded by a sequence at least ~~15 base pairs~~ 30 nucleotides in length selected from a polynucleotide sequence, the polynucleotide sequence selected from the group consisting of:
  - (a) SEQ ID NO:1;
  - (b) ~~the fully complementary sequence of SEQ ID NO:1;~~
  - [[ (c ) ] ] SEQ ID NO:2; and
  - ~~(d) the fully complementary sequence of SEQ ID NO:2;~~
  - [[ (e ) ] ] SEQ ID NO:3;
  - ~~(f) the fully complementary sequence of SEQ ID NO:3; and~~further characterized by having less than 70% homology with the corresponding region in human, mouse and primate retroviral sequences, wherein the last five 3' ~~bases~~ nucleotides are unique to the selected sequence.

19. (Withdrawn) The polypeptide of claim 18, wherein the sequence of at least 15 base pairs is selected from SEQ ID NO:1.
20. (Withdrawn) The polypeptide of claim 18, wherein the sequence of at least 15 base pairs is selected from the fully complementary sequence of SEQ ID NO:1.
21. (Withdrawn) The polypeptide of claim 18, wherein the sequence of at least 15 base pairs is selected from SEQ ID NO:2.
22. (Withdrawn) The polypeptide of claim 18, wherein the sequence of at least 15 base pairs is selected from the fully complementary sequence of SEQ ID NO:2.
23. (Currently amended) The polypeptide of claim 18, wherein the sequence of at least ~~15 base pairs~~ 30 nucleotides is selected from SEQ ID NO:3.
24. (Canceled)
25. (Withdrawn) A polypeptide encoded by a sequence selected from the group consisting of SEQ ID NO:4 through SEQ ID NO:74.
26. (Currently amended) A purified polypeptide encoded by a sequence at least ~~[[20]]~~ 100 nucleotides in length that hybridizes under ~~stringent~~ high stringency conditions to a molecule selected from the group consisting of:
  - (a) SED ID NO:1;
  - (b) ~~the fully complementary sequence of SEQ ID NO:1;~~
  - [[c)] SEQ ID NO:2; and
  - (d) ~~the fully complementary sequence of SEQ ID NO:2;~~

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[[ (e) ] ] (c) SEQ ID NO:3; ~~and~~

~~(f) — the fully complementary sequence of SEQ ID NO:3.~~